

## MPM 1D Opener

Simplifying

$$i) (2r+6) + (3r-8) \quad ii) (3n-2) - (n+3)$$

$$iii) (3n^2 + 2n - 6) - (2n^2 - n - 4)$$

Feb 14-7:22 AM

## MPM 1D Opener

Simplifying

$$i) (2r+6) + (3r-8) \quad ii) (3n-2) - (n+3)$$

$$\begin{array}{cc} \underline{+2r+6} + \underline{+3r-8} & \underline{3n-2} - \underline{n+3} \\ +5r-2 & +2n-5 \end{array}$$

$$iii) (3n^2 + 2n - 6) - (2n^2 - n - 4)$$

$$\begin{array}{cc} \underline{3n^2+2n-6} - \underline{2n^2-n-4} & \\ \underline{n^2+3n-2} & \end{array}$$

Feb 14-7:22 AM

Polynomials- Multiply  
Distributive Property

$$a(b+c) = ab + ac$$

i)  $-(5x-3)$  ii)  $-2(5x-3)$

$$\begin{array}{l} -5x+3 \\ -10x+6 \end{array}$$

iii)  $-3r(4r+2)$

$$\begin{array}{l} -12r^2-6r \end{array}$$

iv)  $-2r(6r+2s)$

$$\begin{array}{l} -12r^2-4rs \end{array}$$

v)  $\frac{1}{3}(12+6d)$

$$\begin{array}{l} \frac{12}{3} + \frac{6d}{3} \\ 4 + 2d \end{array}$$

vi)  $3(n+6) + 2(n-4)$

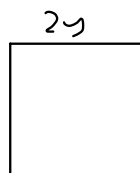
$$\begin{array}{l} 3n+18+2n-8 \\ 5n+10 \end{array}$$

vii)  $5(3f+2) - 3(2f-2)$

$$\begin{array}{l} 15f+10-6f+6 \\ 9f+16 \end{array}$$

Apr 4-12:55 PM

## Calculate Area



$$\begin{aligned} A &= l \times w \\ A &= (2y)(5x) \\ A &= 10xy \end{aligned}$$

P.263-265

q. 3,6,10 (odds), 11 &amp; 12 (evens)

14,16, 17\*

Apr 4-1:24 PM

16) 12 f) P.264

2 Sedans  $V = -2400x + 19600$

3 SUV  $V = -3100x + 24500$

$$V = 12(-2400x + 19600) + 3(-3100x + 24500)$$

$$V = -28800x + 235200 - 9300x + 73500$$

$$V = -38100x + 308700$$

The entire fleet brand new is \$308,700.  
Each year it depreciates \$38,100.

Apr 4-1:46 PM

12 f)

$$\frac{2}{13} \left( 3\frac{1}{4}a - 3\frac{1}{4}b \right) + \frac{2}{7} \left( \frac{1}{2}a - \frac{3}{4}b \right)$$

$$\frac{2}{13} \left( \frac{13}{4}a - \frac{13}{4}b \right) + \frac{2}{7} \left( \frac{1}{2}a - \frac{3}{4}b \right)$$

$$\frac{26}{52}a - \frac{26}{52}b + \left( \frac{2}{7}a - \frac{6}{28}b \right)$$

$$\frac{1}{2}a - \frac{1}{2}b + \left( \frac{1}{7}a - \frac{3}{14}b \right)$$

$$\frac{1}{4} + \frac{2}{14} = \frac{9}{14}a$$

9

Sep 18-7:25 AM

$$\begin{aligned}
 & 12(-2400x + 19600 \\
 & + 3(-3100x + 2450)) \\
 & - 28800x + 235200 + (-9300) + 73500 \\
 & = -38100x + 308700 \\
 & \quad \text{( } -3(100x) + 309(700) \text{ )} \\
 & \underline{-90500 + 308700} \\
 & = 118200
 \end{aligned}$$

Value of the fleet after 5 years  
is 118200

The fleet depreciated 190500 over  
the entire 5 years

Sep 18-8:46 AM



Sep 18-9:36 AM